

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA2004/000493

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K38/48 A61K38/36

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 761 686 A (IMMUNO AG) 12 March 1997 (1997-03-12) the whole document	1-17, 20-23
X	EP 0 680 764 A (IMMUNO AG) 8 November 1995 (1995-11-08) claims 8,9	20-23
X	EP 0 651 054 A (IMMUNO AG) 3 May 1995 (1995-05-03) claims 1-21	20-23
X	WO 92/04378 A (COR THERAPEUTICS INC) 19 March 1992 (1992-03-19) the whole document	1-17, 20-23
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

29 July 2004

Date of mailing of the international search report

12/08/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91/02532 A (UNIV KINGSTON) 7 March 1991 (1991-03-07) the whole document	1-17, 20-23
X	GRUNDY J E, LAVIGNE N, HIRAMA T, MACKENZIE R, PRYZDIAL E L G: "Binding of Plasminogen and Tissue Plasminogen Activator to Plasmin-Modulated Factors X and Xa" BIOCHEMISTRY, vol. 40, no. 21, 29 May 2001 (2001-05-29), pages 6293-6302, XP002290377 page 6294, left-hand column, paragraph 2 page 6299, right-hand column, line 10 - page 6301, right-hand column, line 15	1-17, 20-23
X	PRYZDIAL E L G, KESSLER G E: "Kinetics of Blood Coagulation Factor Xa alpha Autoproteolytic Conversion to Factor Xa beta" THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 28, 12 July 1996 (1996-07-12), pages 16621-16626, XP002290378 abstract	1-17, 20-23
X	PRYZDIAL E L G, KESSLER G E: "Autoproteolysis or Plasmin-mediated Cleavage of Factor Xa alpha Exposes a Plasminogen Binding Site and Inhibits Coagulation" THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 28, 12 July 1996 (1996-07-12), pages 16614-16620, XP002290379 cited in the application abstract	1-17, 20-23
X	PRYZDIAL E L G, LAVIGNE N, DUPUIS N, KESSLER G E: "Plasmin converts factor X from coagulation zymogen to fibrinolysis cofactor" THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 13, 26 March 1999 (1999-03-26), pages 8500-8505, XP002290380 cited in the application. abstract	1-17, 20-23
	-/-	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PRYZDIAL E L G; BAJZAR L; NESHEIM M E:  "Prothrombinase Components Can Accelerate  Tissue Plasminogen Activator-catalyzed  Plasminogen Activation"  THE JOURNAL OF BIOLOGICAL CHEMISTRY,  vol. 270, no. 30, 1995, pages 17871-17877,  XP002290381  cited in the application  abstract</p>	<p>1-17,  20-23</p>

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 18,19

Claims 18 and 19 are directed to a "method for detecting a fibrinolytic potential in a subject" comprising "measuring a relative concentration of a coagulation protein ..." without specifying the meaning of "fibrinolytic poteintiol " or a point of reference for "relative" (relative based on what?). Thus, both the preamble and the characterising portion of the claims are completely unclear. No additional information is contained in the description, so that the criticised expresssions also lack support in description. Therefore, claims 18 and 19 cannot be searched.

The expression "coagulation protein comprising a basic C-terminal amino acid" fails to define the substance envisaged according to the application. It is also clear from the description that Factor Xa alpha, beta and gamma and Factor Va are envisaged. Therefore, the search had to be restricted to the said Factors.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 18, 19  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000493

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0761686	A	12-03-1997	CA 2184334 A1 EP 0761686 A2	01-03-1997 12-03-1997
EP 0680764	A	08-11-1995	DE 4416166 A1 AT 76995 A CA 2148746 A1 EP 0680764 A2 FI 952169 A JP 3051650 B2 JP 7304658 A NO 951761 A US 5698677 A US 6017891 A	09-11-1995 15-04-2002 07-11-1995 08-11-1995 07-11-1995 12-06-2000 21-11-1995 07-11-1995 16-12-1997 25-01-2000
EP 0651054	A	03-05-1995	DE 4325872 C1 AT 407705 B AT 148894 A CA 2129155 A1 EP 0651054 A1 JP 7075572 A US 5593968 A	04-08-1994 25-05-2001 15-10-2000 03-02-1995 03-05-1995 20-03-1995 14-01-1997
WO 9204378	A	19-03-1992	US 5278144 A AU 677930 B2 AU 4564696 A AU 666104 B2 AU 8841191 A CA 2090410 A1 EP 0547180 A1 JP 6503950 T US 5990079 A US 5968897 A WO 9204378 A1 US 5597799 A US 5583107 A US 5635481 A US 5837679 A US 5650314 A US 5795863 A US 2004072757 A1	11-01-1994 08-05-1997 27-06-1996 01-02-1996 30-03-1992 05-03-1992 23-06-1993 12-05-1994 23-11-1999 19-10-1999 19-03-1992 28-01-1997 10-12-1996 03-06-1997 17-11-1998 22-07-1997 18-08-1998 15-04-2004
WO 9102532	A	07-03-1991	AU 5959990 A WO 9102532 A2	03-04-1991 07-03-1991